

LAURENS CHERCHYE
CURRICULUM VITAE
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(homepage: <http://www.econ.kuleuven.ac.be/ew/academic/econover/Members/laurens.htm>; also includes references to recent working papers)

Personal information – education – positions/career

Born on November 19, 1974 in Ieper, Belgium.

Married (to Annelies); 3 children (Robbe, 1999; Lieselot, 2001; Anna, 2003).

PhD in Economics, K.U.Leuven, 2001

Master of Science in Economics, K.U.Leuven, 1998.

Licentiaat Economische Wetenschappen (Economic Sciences), K.U.Leuven, 1996

Full Professor (hoogleraar), K.U.Leuven, 2010-

Extramural fellow of CentER, Tilburg University, 2011-

Honorary senior research associate, University College London (Department of Economics), 2011-

International research fellow, Institute for Fiscal Studies (IFS), 2011-

Full Professor, Tilburg University, 2009-2011

Associate Professor (hoofddocent), K.U.Leuven, 2007 -2009.

Visiting professor at ECARES, Université Libre de Bruxelles, 2008-2009.

Assistant professor (docent), K.U.Leuven, 2005-2007.

Postdoctoral fellow of the Fund for Scientific Research-Flanders (FWO-Vlaanderen), 2002-2008.

Current research activities and interests

- Revealed Preference Theory and Non-Parametric Analysis of Consumer Behavior
- The Collective Model of Household Consumption Behavior
- Non-parametric Production and Efficiency Analysis

Teaching

Laurens Cherchye has been teaching at the University of Leuven and Tilburg University; topics cover microeconomics, operations research and econometrics.

Publications

International journals

1. Cherchye, L., B. De Rock and F. Vermeulen (forthcoming), "Married with children. A collective labor supply model with detailed time use and intrahousehold expenditure information", *American Economic Review*.
2. Bruyneel, S., Cherchye, L., and B. De Rock (forthcoming), "Collective consumption models with restricted bargaining weights: an empirical assessment based on experimental data", *Review of Economics of the Household*.
3. Cherchye, L., T. Demuyneck and B. De Rock (2011), "Revealed preference analysis of noncooperative household consumption", *Economic Journal* 121, 1073-1096.
4. Cherchye, L., B. De Rock and F. Vermeulen (2011), "The revealed preference approach to collective consumption behavior: testing and sharing rule recovery", *Review of Economic Studies*, 78, 176–198.
5. Cherchye, L., T. Demuyneck and B. De Rock (2011), "Testable implications of general equilibrium models: an integer programming approach", *Journal of Mathematical Economics* 47, 564-575.
6. Talla Nobibon, F., L. Cherchye, B. De Rock, J. Sabbe and F. Spieksma (2011), "Heuristics for deciding collectively rational consumption behavior", *Computational Economics* 38, 173 - 204.

7. Cherchye, L., W. Moesen, N. Rogge and T. Van Puyenbroeck (2011), "Constructing a knowledge economy composite indicator with imprecise data: a proposal", *Expert Systems with Applications* 38(9), 10940-10949.
8. Cherchye, L., B. De Rock and F. Vermeulen (2010), "An Afriat theorem for the collective model of household consumption", *Journal of Economic Theory* 145, 1142–1163.
9. Cherchye, L., K. De Witte, E. Ooghe and I. Nicaise (2010), "Equity and efficiency in private and public education: a nonparametric comparison", *European Journal of Operational Research* 202, 563-573.
10. Kuosmanen, T., M. Kortelainen, T. Sipilainen and L. Cherchye (2010), "Firm and industry level profit efficiency analysis under incomplete price data: a nonparametric approach based on absolute and uniform shadow prices" *European Journal of Operational Research* 202, 584-594.
11. Cherchye, L., B. De Rock and F. Vermeulen (2009), "Opening the black box of intra-household decision-making: Theory and non-parametric empirical tests of general collective consumption models", *Journal of Political Economy* 117, 1074-1104.
12. Cherchye, L., and T. Van Puyenbroeck (2009), "Semi-radial technical efficiency measurement", *European Journal of Operational Research* 193, 616-625.
13. L. Cherchye, B. De Rock, J. Sabbe and F. Vermeulen (2008), "Nonparametric tests of collectively rational consumption behavior: an integer programming procedure", *Journal of Econometrics* 147, 258-265.
14. Cherchye, L., Ooghe, E. and Van Puyenbroeck, T. (2008), "Robust Human Development Rankings", *Journal of Economic Inequality* 6, 287-321.
15. L. Cherchye en F. Vermeulen (2008), "Nonparametric analysis of household labor supply: goodness-of-fit and power of the unitary and the collective model", *Review of Economics and Statistics* 90, 267-274.
16. L. Cherchye, B. De Rock and F. Vermeulen (2008), "Analyzing efficient production behaviour under economies of scope: a nonparametric methodology", *Operations Research* 56, 204-221.
17. L. Cherchye, W. Moesen, N. Rogge, T. Van Puyenbroeck, M. Saisana, A. Saltelli, R. Liska and S. Tarantola (2008), "Creating composite indicators with DEA and robustness analysis: the case of the technology achievement index", *Journal of the Operational Research Society* 59, 239-251.
18. L. Cherchye, B. De Rock and F. Vermeulen (2007), "The collective model of household consumption: a nonparametric methodology", *Econometrica* 75, 553-574.
19. L. Cherchye, K. Lovell, W. Moesen and Van Puyenbroeck, T. (2007), "One Market, One Number? A Composite Indicator Assessment of EU Internal Market Dynamics", *European Economic Review* 51, 749-779.
20. L. Cherchye, W. Moesen, N. Rogge and T. Van Puyenbroeck, T. (2007), "An introduction to 'benefit of the doubt' composite indicators", *Social Indicators Research* 82, 111-145.
21. L. Cherchye and T. Van Puyenbroeck (2007), "Profit Efficiency Analysis Under Limited Information. With an Application to German Farm Types", *OMEGA International Journal of Management Science* 35, 335-349.
22. T. Kuosmanen, L. Cherchye, and T. Sipilainen (2006), "The Law of One Price in Data Envelopment Analysis: Restricting Weight Flexibility Across firms in DEA", *European Journal of Operational Research*, 170 (3), 735-757.
23. L. Cherchye and F. Vermeulen (2006), "Robust ranking of Multidimensional Performances: An Application to Tour de France Racing Cyclists", *Journal of Sports Economics* 7, 359-373.
24. L. Cherchye and P. Vanden Abeele (2005), "On Research Efficiency: A Micro-Analaysis of Dutch University Research in Economics and Business Management", *Research Policy* 34, 495-516.
25. L. Cherchye, W. Moesen and T. Van Puyenbroeck (2004), "Legitimately diverse, yet comparable: synthesising social inclusion performance in the EU", *Journal of Common Market Studies* 42, 919-955.
26. L. Cherchye and T. Post (2003), "Methodological Advances in DEA: A survey and an application for the Dutch electricity sector", *Statistica Neerlandica* 57, 410-438.
27. L. Cherchye, T. Kuosmanen and T. Post (2002), "Nonparametric Production Analysis in Non-Competitive Environments", *International Journal of Production Economics* 80(3), 279-294.
28. T. Post, L. Cherchye and T. Kuosmanen (2002), "Non-Parametric Efficiency Estimation in Stochastic Environments", *Operations Research* 50 (4), 645-655.

29. L. Cherchye and T. Van Puyenbroeck (2001), "A Comment on Multistage DEA Methodology", *Operations Research Letters* 28, 93-98.
30. L. Cherchye, T. Kuosmanen and T. Post (2001), "Alternative Notions of Congestion in DEA", *European Journal of Operational Research* 133, 69-74.
31. L. Cherchye, T. Kuosmanen and T. Post (2001), "FDH Directional Distance Functions: With an Application to European Commercial Banks", *Journal of Productivity Analysis* 15, 201-215.
32. L. Cherchye (2001), "Using Data Envelopment Analysis to Assess Macroeconomic Policy Performance", *Applied Economics* 33, 407-416.
33. L. Cherchye and T. Van Puyenbroeck (2001), "Product Mixes as Objects of Choice in Nonparametric Efficiency Measurement", *European Journal of Operational Research* 132, 45-53.
34. L. Cherchye, T. Kuosmanen and T. Post (2000), "What is the Economic Meaning of FDH?", *Journal of Productivity Analysis* 13, 263-267.
35. L. Cherchye, T. Van Puyenbroeck (1999), "Learning from Input-Output Mixes in DEA: A Proportional Measure for Slack-Based Efficient Projections", *Managerial and Decision Economics* 20, 151-161.

Other scientific journals

1. L. Cherchye, T. Kuosmanen and H. Leleu (2010), "Technical and economic efficiency measures under short run profit maximizing behavior", *Louvain Economic Review (Recherches Economiques de Louvain)* 76 (2), 163-173.
2. J. Clochet, Cosaert, S., Cherchye, L., De Rock, B. (2010). "Store environment and advertising: investigating two manipulative forces from the supermarket", *Review of Business and Economics* 55, 90-106.
3. L. Cherchye and T. Van Puyenbroeck, Eds., (2006), "Advancing "Public Sector Performance. Introducing the special issue in honour of Professor Dr. Wim Moesen", *Review of Economics and Business (Tijdschrift voor Economie en Management)* 51 (3).
4. L. Cherchye, B. De Borger and T. Van Puyenbroeck (2006), "Nonparametric tests of Optimizing Behavior in Public Service Provision: Methodology and an Application to Local Public Safety", *Review of Economics and Business (Tijdschrift voor Economie en Management)* 51, 282-309.
5. L. Cherchye and W. Moesen (2004), "Trust in the Public Sector and Macroeconomic Outcomes", *Empirical Economics Letters* 3 (4), 169-179.
6. L. Cherchye and A. Watteyne (2003), "Attacking Poverty: Is it Globalization? ... Or is it the Institutions?", *Review of Business and Economics (Tijdschrift voor Economie en Management)* 48 (4), 573-602.
7. L. Cherchye, W. Moesen and Tom Van Puyenbroeck (2003), "Oorbaar optellen", *Economische Statistische Berichten* 4413, 415-417.
8. L. Cherchye and W. Moesen (1997), "De Macro-economische Performantie van Landen: Meningen en Metingen", *Trends Review* 1.

Book Chapters

1. L. Cherchye, B. De Rock and F. Vermeulen (forthcoming), "Revealed preference tests for collective behavior" forthcoming in J.A. Molina (editor), *Household Economic Behaviors* , Springer Verlag, Berlin, Germany.
2. L. Cherchye, I. Crawford, B. De Rock and F. Vermeulen (2009), "The revealed preference approach to demand" Chapter 9 in Daniel Slotje (ed.), "Quantifying Consumer Preferences: Estimating Demand Systems", Contributions to Economic Analysis, Emerald Press.
3. L. Cherchye and T. Kuosmanen (2006), "Benchmarking Sustainable Development: A Synthetic Meta-Index Approach", in M. McGillivray and M. Clarke (eds.), *Understanding Human Well-Being*, United Nations University Press.
4. L. Cherchye, W. Moesen and T. Van Puyenbroeck (2004), "Social Inclusion in the EU: Towards a Synthetic Indicator with Endogenous Weights" in B. Cantillon and J. Vandamme (ed.), *The Open Method of Coordination and Minimum Income Protection in Europe*, Liber Memorialis Herman Deleeck, Acco, Leuven-Leusden.

5. L. Cherchye and W. Moesen (2000), "Fatsoenlijkheid is mooi. De relatie tussen micro-maatschappelijke waarden en de macro-economische prestatie van landen" in T. Vandevelde (ed.), *Vertrouwen en Bedrijf*, Acco, Leuven/Amersfoort, 57-84.
6. L. Cherchye and T. Van Puyenbroeck (1999), "Non-Radial Efficiency as Semi-Radial Efficiency" in G. Westermann (ed.), *Data Envelopment Analysis in the Service Sector*, Gabler, Wiesbaden, 51-64.

Research projects - fellowships

- Postdoctoral fellow of the Fund for Scientific Research-Flanders (FWO-Vlaanderen), 2002-2005 and 2005-2008.
- Promoter of K.U.Leuven OT-grant "Nonparametric analysis of collective consumption and production behaviour: methodological advances and applications", 2008-2012.
- Promoter of FWO project (with S. Bruyneel, S. Dewitte and B. De Rock) "Experimental analysis of collective consumption decisions"; Fund for Scientific Research-Flanders (FWO-Vlaanderen); 2009-2012.
- Co-promoter of FWO project (with A. Gaeremynck) "The impact of institutions on firm's accounting quality and cost of capital"; Fund for Scientific Research-Flanders (FWO-Vlaanderen); 2007-2010.
- Promoter of FWO doctoral grant (doctoral student: Jeroen Sabbe) "Nonparametric analysis of consumption and production behavior; the collective approach"; Fund for Scientific Research-Flanders (FWO-Vlaanderen); 2006-2008 and 2008-2010.
- Co-promotor of the KULeuven-partner (with W. Moesen and T. Van Puyenbroeck) of the KEI-project ("Knowledge Economy Indicators: Development of Innovative and Reliable Indicator Systems"); a "specially targeted research project" of the 6th Framework Program ("Research, Technological Development and Demonstration") of the European Union; project coordinator: Ralf Münnich, University of Tübingen, Germany; 2004-2007.
- Promoter of FWO doctoral grant (doctoral student: Ewout Verriest) "Dynamic Consumer behavior: collective rationalisation in a non-parametric approach"; Fund for Scientific Research-Flanders (FWO-Vlaanderen); 2009-2011 and 2011-2013.
- Co-promoter of FWO project (with F. Spieksma and B. De Rock) "Methods and models for testing the rationality of revealed preferences"; Fund for Scientific Research-Flanders (FWO-Vlaanderen); 2010-2013.
- Promoter of FWO project (with T. Demuynck and B. De Rock) "Revealed preference analysis to model household consumption"; Fund for Scientific Research-Flanders (FWO-Vlaanderen); 2011-2014.

Awards - distinctions

- Winner (together with T. Kuosmanen and T. Sipilainen) EURO Management Science Strategic Innovation Prize 2004 (MSSIP 2004); by "The European Association of Operational Research Societies (EURO)"; for the paper "The Law of One Price in Data Envelopment Analysis: Restricting Weight Flexibility Across Firms in DEA".
- Winner (together with B. De Rock and F. Vermeulen) of the 2008 prize of the Association of Economics (Vereniging voor Economie), awarded every two year to Flemish authors under the age of 35; for the paper "The revealed preference approach to collective consumption behavior: testing, recovery and welfare analysis".
- Our paper "Degrees of cooperation in household consumption models: A revealed preference analysis" (with co-authors T. Demuynck and B. De Rock) was selected as the best paper, written by economists under the age of 35, presented at the conference "International Conference in memoriam of Maria Concetta Chiurion Household, Labour and Migration Economics" (Bari, 2010).

Thesis supervision:

- *Completed:* Bram De Rock (advisor; PhD in December 2007; ECARES, Université Libre de Bruxelles); Kristof De Witte (advisor; PhD Defended in March 2009; TIER, University of Maastricht); Arnt Verriest (co- advisor; advisor: Ann Gaeremynck; PhD in June 2009; Department of Accountancy, University of Tilburg); Jeroen Sabbe (advisor; PhD in December 2010; Bain & Co); Nicky Rogge (advisor; PhD in June 2011; Hogeschool-Universiteit Brussel (HUB)) .
- *In progress:* Ewout Verriest (advisor); Sam Cosaert (advisor).

Membership of Editorial Boards - scientific advice

- Associate Editor of *Journal of Productivity Analysis*
- Guest editor of *Review of Business and Economics (Tijdschrift voor Economie en Management)* (issue 51(3), “Advancing public sector performance. A special issue in honour of Prof. dr. Wim Moesen”).
- Referee for *Econometrica*, *Review of Economic Studies*, *Journal of Economic Theory*, *Journal of Economic Literature*, *Economic Journal*, *International Economic Review*, *Economic Theory*, *Journal of Applied Econometrics*, *Oxford Economic Papers*, *Economics Letters*, *Operations Research*, *European Journal of Operational Research*, *Journal of the Operational Research Society*, *Omega-International Journal of Management Science*, *International Journal of Production Economics*, among many other journals.
- Other refereeing: *Oxford University Press*, *National Science foundation (NSF)*, *Fonds voor Wetenschappelijk Onderzoek (FWO)*.